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### 1 [Using LDAP directory caches](#)



Sophie Cluet, Olga Kapitskaia, Divesh Srivastava

 May 1999 **Proceedings of the eighteenth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems**

Publisher: ACM Press

Full text available: pdf(1.32 MB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 2 [Internet Privacy Enhanced Mail](#)



Stephen T. Kent

 August 1993 **Communications of the ACM**, Volume 36 Issue 8

Publisher: ACM Press

Full text available: pdf(4.82 MB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)
**Keywords:** Internet Privacy Enhanced Mail

### 3 [Querying network directories](#)



H. V. Jagadish, Laks V. S. Lakshmanan, Tova Milo, Divesh Srivastava, Dimitra Vista

 June 1999 **ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data SIGMOD '99**, Volume 28 Issue 2

Publisher: ACM Press

Full text available: pdf(1.50 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Heirarchically structured directories have recently proliferated with the growth of the Internet, and are being used to store not only address books and contact information for people, but also personal profiles, network resource information, and network and service policies. These systems provide a means for managing scale and heterogeneity, while allowing for conceptual unity and autonomy across multiple directory servers in the network, in a way for superior to what conventional relation ...

### 4 [Use of nested certificates for efficient, dynamic, and trust preserving public key infrastructure](#)



Albert Levi, M. Ufuk Caglayan, Cetin K. Koc

 February 2004 **ACM Transactions on Information and System Security (TISSEC)**, Volume 7 Issue 1

Publisher: ACM Press

Full text available:  pdf(532.64 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Certification is a common mechanism for authentic public key distribution. In order to obtain a public key, verifiers need to extract a certificate path from a network of certificates, which is called public key infrastructure (PKI), and verify the certificates on this path recursively. This is classical methodology. Nested certification is a novel methodology for efficient certificate path verification. Basic idea is to issue special certificates (called nested certificates) for other certifica ...


**Keywords:** Digital certificates, key management, nested certificates, public key infrastructure

##### 5 [Location-aware mobile applications based on directory services](#)

Henning Maass

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

**Publisher:** Kluwer Academic Publishers

Full text available:  pdf(421.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Location-aware applications are becoming increasingly attractive due to the widespread dissemination of wireless networks and the emergence of small and cheap locating technologies. We developed a location information server that simplifies and speeds up the development of these applications by offering a set of generic location retrieval and notification services to the application. The data model and the access protocols of these services are based on the X.500 directory service and the I ...

##### 6 [CORDS: From grapevine to trader: the evolution of distributed directory technology](#)

Roger Y. M. Cheung

November 1992 **Proceedings of the 1992 conference of the Centre for Advanced Studies on Collaborative research - Volume 2**

**Publisher:** IBM Press

Full text available:  pdf(657.25 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Distributed directory is an essential component in a distributed processing environment that involves multiple systems connected via a LAN (local area network) and WAN (wide area network). This paper reviews the evolution of distributed directory technology from simple name-to-address mapping to sophisticated import request-to-export service mapping by examining four different kinds of directory systems: Grapevine, Global name service, ISO Directory, and Trader. The characteristics of these dire ...

##### 7 [Providing the X.500 directory user with QOS information](#)



Paul Barker

July 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(842.75 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper describes some work which helps users of the X.500 directory to understand the unevenness of quality of service (QOS) concomitant with a widely distributed directory. In particular a user may see highly variant response times and availability of information for different parts of the directory. The paper discusses, and dismisses, two possible sources of QOS information. I use a third approach whereby a directory user interface maintains a record of response times and information availa ...

##### 8 [Location-aware mobile applications based on directory services](#)



Henning Maaß

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

**Publisher:** ACM Press

Full text available:  pdf(1.59 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


**Keywords:** LDAP, X.500, adaptive applications, directory services, distributed systems, locating systems, location-aware applications, middleware, mobile computing, software architectures, wireless multimedia networks

9 OpenLDAP everywhere revisited

Craig Swanson, Matt Lung

July 2005 **Linux Journal**, Volume 2005 Issue 135

**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  [html\(31.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)


A new version of Samba makes this company-wide directory solution even more capable than before.

10 OpenLDAP everywhere

Craig Swanson, Matt Lung

December 2002 **Linux Journal**, Volume 2002 Issue 104

**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  [html\(23.52 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

A single company-wide directory service offers mail address lookup and file sharing to Linux and Windows users.

11 Deficiencies in LDAP when used to support PKI




David Chadwick

March 2003 **Communications of the ACM**, Volume 46 Issue 3

**Publisher:** ACM Press

Full text available:  [pdf\(100.30 KB\)](#)

 [html\(33.33 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Problems arise when a protocol initially developed to simplify access to a distributed directory failed to take into account all the uses the directory was originally intended for.

12 Paranoid penguin: LDAP for security, Part I

Mick Bauer

July 2003 **Linux Journal**, Volume 2003 Issue 111

**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  [html\(13.00 KB\)](#)


Additional Information: [full citation](#)

13 Paranoid penguin: authenticate with LDAP

Mick Bauer

August 2003 **Linux Journal**, Volume 2003 Issue 112

**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  [html\(18.13 KB\)](#) Additional Information: [full citation](#)

14 Adapting globus and kerberos for a secure ASCII grid



Patrick C. Moore, Wilbur R. Johnson, Richard J. Detry

November 2001 **Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)**

**Publisher:** ACM Press

Full text available:  [pdf\(143.26 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Porting a complex secure application from one security infrastructure to another is often difficult or impractical. Grid security associated with the Globus toolkit is supported by a Grid Security Infrastructure (GSI) based on a Public Key Infrastructure where users authenticate to the grid using X509 certificates. Kerberos security is based on a trusted third party, secret key infrastructure where users authenticate using encrypted tickets. However, both GSI and Kerberos provide a Generic Secur ...

**Keywords:** ASCII, GSSAPI, globus, grid, kerberos, security

15 Access control: First experiences using XACML for access control in distributed systems



Markus Lorch, Seth Proctor, Rebekah Lepro, Dennis Kafura, Sumit Shah  
October 2003 **Proceedings of the 2003 ACM workshop on XML security**

**Publisher:** ACM Press

Full text available: pdf(459.30 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Authorization systems today are increasingly complex. They span domains of administration, rely on many different authentication sources, and manage permissions that can be as complex as the system itself. Worse still, while there are many standards that define authentication mechanisms, the standards that address authorization are less well defined and tend to work only within homogeneous systems. This paper presents XACML, a standard access control language, as one component of a distributed a ...

**Keywords:** access control decision, access control enforcement, authorization, distributed system security, policy language, policy management

16 Generative communication in Linda



David Gelernter  
January 1985 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,  
Volume 7 Issue 1

**Publisher:** ACM Press

Full text available: pdf(2.48 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Generative communication is the basis of a new distributed programming language that is intended for systems programming in distributed settings generally and on integrated network computers in particular. It differs from previous interprocess communication models in specifying that messages be added in tuple-structured form to the computation environment, where they exist as named, independent entities until some process chooses to receive them. Generative communication results in a number ...

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Relevance scale ☐ ☐ ☐ ☐ ☐1 [Implementation of a WebDAV-based collaborative distance learning environment](#)

Changtao qu, Thomas Engel, Christoph Meinel

October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future**

Publisher: ACM Press

Full text available: pdf(184.04 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** Java 2 platform enterprise edition, JavaServer pages, collaborative distance learning, enterprise JavaBeans, virtual university, web-based distributed authoring and versioning

2 [Application servers \(panel session\): born-again TP monitors for the Web](#)

C. Mohan, Larry Cable, Matthieu Devin, Scott Dietzen, Pat Helland, Dan Wolfson

May 2001 **ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data SIGMOD '01**, Volume 30 Issue 2

Publisher: ACM Press

Full text available: pdf(16.89 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)3 [Business-to-business interactions: issues and enabling technologies](#)

B. Medjahed, B. Benatallah, A. Bouguettaya, A. H. H. Ngu, A. K. Elmagarmid

May 2003 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 12 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(558.34 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Business-to-Business (B2B) technologies pre-date the Web. They have existed for at least as long as the Internet. B2B applications were among the first to take advantage of advances in computer networking. The Electronic Data Interchange (EDI) business standard is an illustration of such an early adoption of the advances in computer networking. The ubiquity and the affordability of the Web has made it possible for the masses of businesses to automate their B2B interactions. However, several issu ...

**Keywords:** B2B Interactions, Components, E-commerce, EDI, Web services, Workflows, XML

4

[Industry track papers and presentations: technology trends: Building enterprise](#)

portals: principles to practice

Tushar K. Hazra

May 2002 **Proceedings of the 24th International Conference on Software Engineering****Publisher:** ACM PressFull text available: pdf(1.85 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Primary objective of this paper is to offer an exclusive view of constructing and deploying enterprise portals by using a component-based development approach. As the dot-com hype dies down, most companies are forced to revisit their enterprise-wide Web integration strategies. This paper offers a pragmatic roadmap that these companies may follow in their upcoming enterprise portal deployment initiatives. The academic world plays a significant role in the advances of the portal technology. In this ...

## 5 Technical Session: Crossing the bridge while you build it: a smooth migration to new servers and services



William R. Anderson, Larry Fields, Thelma Simons, Kathy Pribbenow, Christopher Jones  
October 2001 **Proceedings of the 29th annual ACM SIGUCCS conference on User services**

**Publisher:** ACM PressFull text available: pdf(153.78 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper accompanies a panel discussion by members of the computing support staff at Georgetown University, The University of Kansas, and The University of Oregon. Each school migrated its customers to a new e-mail system; some of the migrations included other services, such as web hosting and calendaring. Georgetown University migrated from a GroupWise mail and calendaring system and UNIX mail to Netscape (now iPlanet) Messaging Server and Steltor CorporateTime. Computing support staff learned ...

**Keywords:** Microsoft Exchange, Microsoft Outlook, calendar, e-mail, migration, new server, new service, panel, roll-out, software deployment

## 6 Columns: Surfing the net for software engineering notes



Mark Doernhoefer

November 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 6**Publisher:** ACM PressFull text available: pdf(1.99 MB) Additional Information: [full citation](#)

## 7 Large-scale mail with Postfix, OpenLDAP and courier



Dave Dribin, Keith Garner

February 2003 **Linux Journal**, Volume 2003 Issue 106**Publisher:** Specialized Systems Consultants, Inc.Full text available: html(25.24 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Here's a flexible solution for hosting mail for many domains on one server.

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